

GEORGIA
STATE DIVISION OF CONSERVATION
DEPARTMENT OF MINES, MINING AND GEOLOGY
GARLAND PEYTON, Director

THE GEOLOGICAL SURVEY
Bulletin Number 70

WELL LOGS OF THE
COASTAL PLAIN OF GEORGIA

by

Stephen M. Herrick, Geologist
United States Geological Survey



Prepared cooperatively by the U. S. Geological Survey

ATLANTA
1961

	Thickness (feet)	Depth (feet)
No samples	20	540
Limestone: cream, granular (highly calcitized), sparsely glauconitic, fossiliferous (abundant bryozoan remains and "larger Foraminifera," many of which are impregnated with glauconite)	60	600
<i>Operculina mariannensis</i> , <i>Camerina striatoreticulata</i> at 540.		

Summary:

Pliocene to Recent (undifferentiated)	80	80
No samples	20	100
In Miocene (undifferentiated)	153	253
No samples	22	275
In Oligocene (undifferentiated)	70	345
No samples	30	375
In upper Eocene (Ocala limestone)	225	600

Potential Water-Bearing Zones:

Limestone	325	600
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Remarks:

Sample intervals too large to permit picking of satisfactory formational tops.

CHATHAM COUNTY

Location: South bank of Savannah River, in Savannah Well No.: GGS 377
 Owner: No. 1 American Cyanamid Company Elev.: 15
 Driller: M. M. Gray Drilling Company
 Drilled: May 1954

Pliocene to Recent (Undifferentiated):

Clay: light to dark-gray, silty, lignitic, finely disseminated phosphatic grains	40	40
Sand: fine to coarse-grained, arkosic, subangular	10	50

Miocene (Undifferentiated):

Clay: dark-green, sandy, phosphatic	84	134
Clay: as above; interbedded dolomitic limestone, light-brown, saccharoidal, sandy, phosphatic	32	166

Reddish-brown phosphatic pellets abundant at 134-140.

	Thickness (feet)	Depth (feet)
Limestone: light-gray, rather dense, sandy, phosphatic, fossiliferous (casts and molds of megafossils).....	14	180
Oligocene (Undifferentiated):		
Limestone: light-gray, chalky, soft, fossiliferous (echinoid and bryozoan remains, Ostracods, and Foraminifera).....	55	235
<i>Rotalia mexicana</i> var. at 176-184.		
<i>Nonionella hantkeni</i> var., <i>Robulus</i> sp., <i>Textularia</i> sp., <i>Gypsina globula</i> ¹ at 195-205.		
Limestone: cream, granular (in texture), much calcitized, fossiliferous (Gastropods, some echinoid and bryozoan remains, and Foraminifera)	42	277
Upper Eocene: Jackson Group: Ocala Limestone:		
Limestone: light-gray to white; coarsely glauconitic at depth, extremely dense (highly calcitized), fossiliferous (abundant echinoid and bryozoan remains, some Ostracods and Foraminifera)	158	435
<i>Operculinoides</i> cf. <i>O. floridensis</i> at 275-285.		
<i>Robulus cultratus</i> , <i>Lingulina</i> sp., <i>Planularia</i> sp., <i>Nodosaria latejugata</i> var. <i>carolinensis</i> at 285-295.		
<i>Asterocyclina nassauensis</i> at 315-325.		
Limestone: cream, granular (much calcitized), coarsely but sparsely glauconitic, cherty (at depth), fossiliferous (abundant "larger Foraminifera," some of which are impregnated with glauconite)	215	650
<i>Asterocyclina</i> sp., <i>Lepidocyclina (Polylepidina) antillea</i> ¹ at 480-490.		
Brown chert at 550-560.		

Summary:

Pliocene to Recent (undifferentiated).....	50	50
Miocene (undifferentiated)	130	180
Oligocene (undifferentiated)	97	277
Upper Eocene (Ocala limestone).....	373	650

Potential Water-Bearing Zones:

Limestone	373	650
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¹Reworked (?) fossil of middle Eocene age.